

005220" 45567560

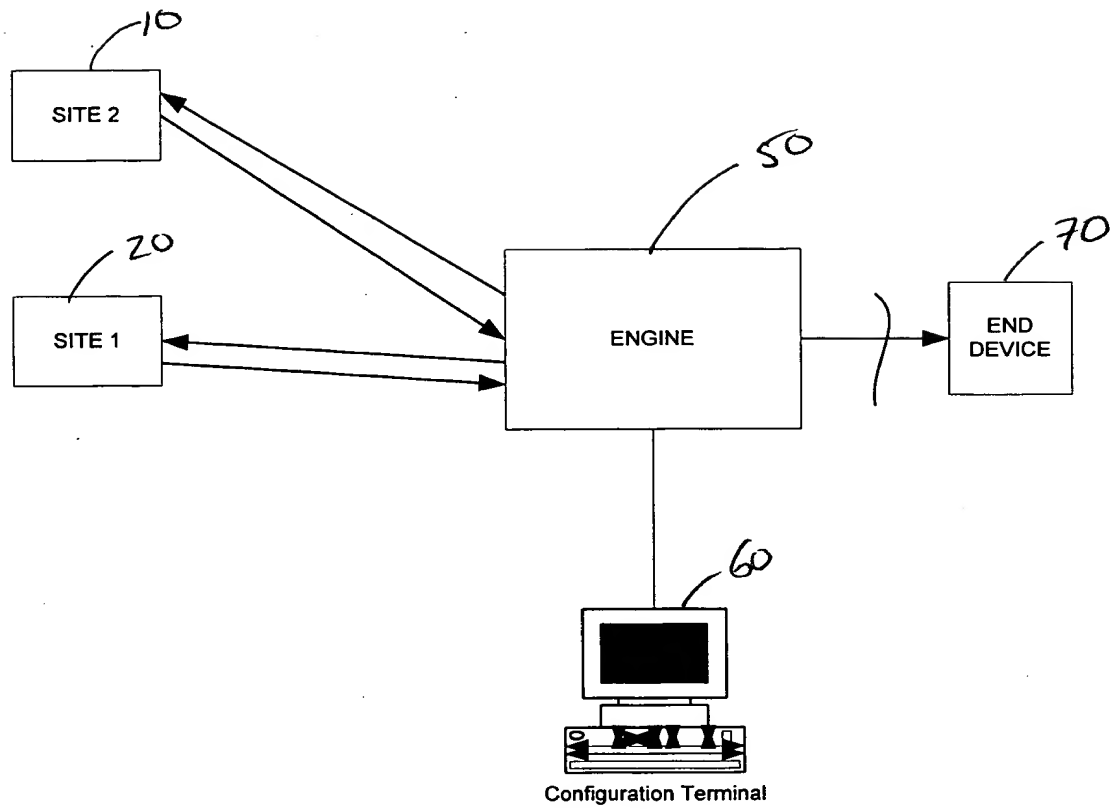


FIG. 1

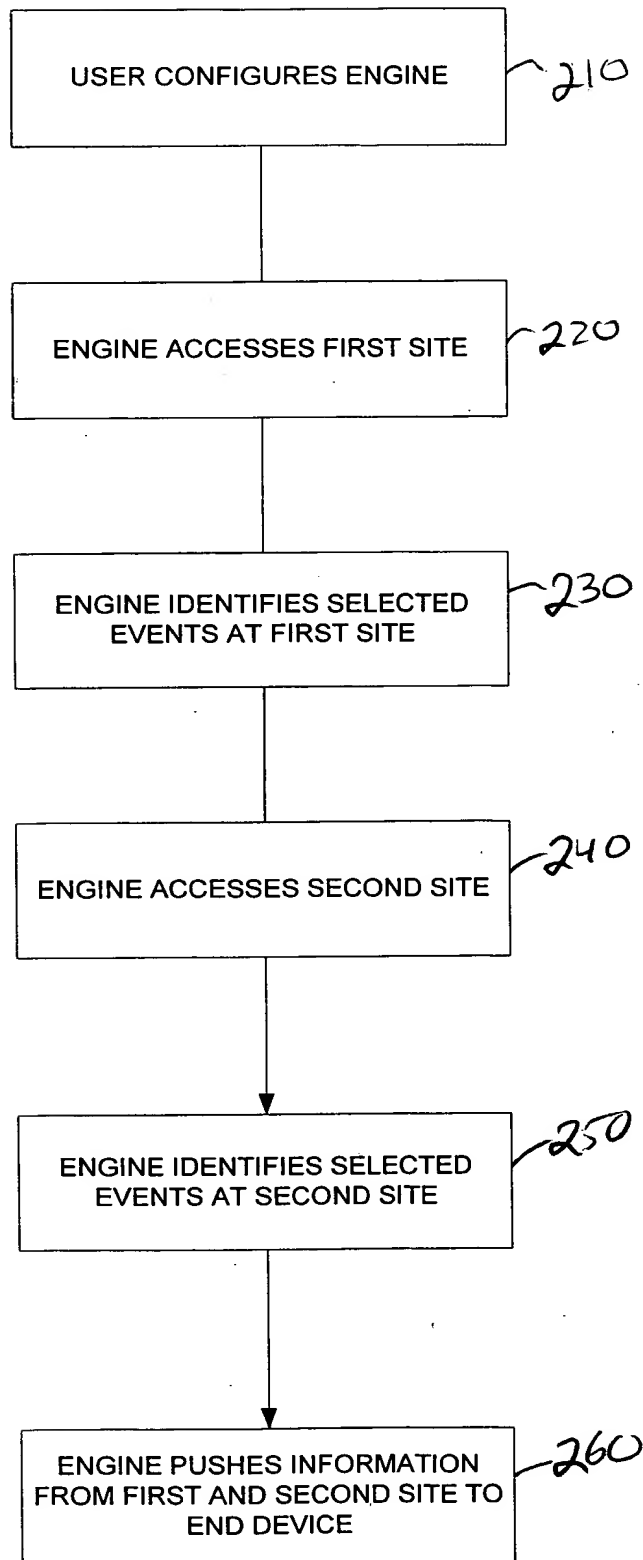


FIG. 2

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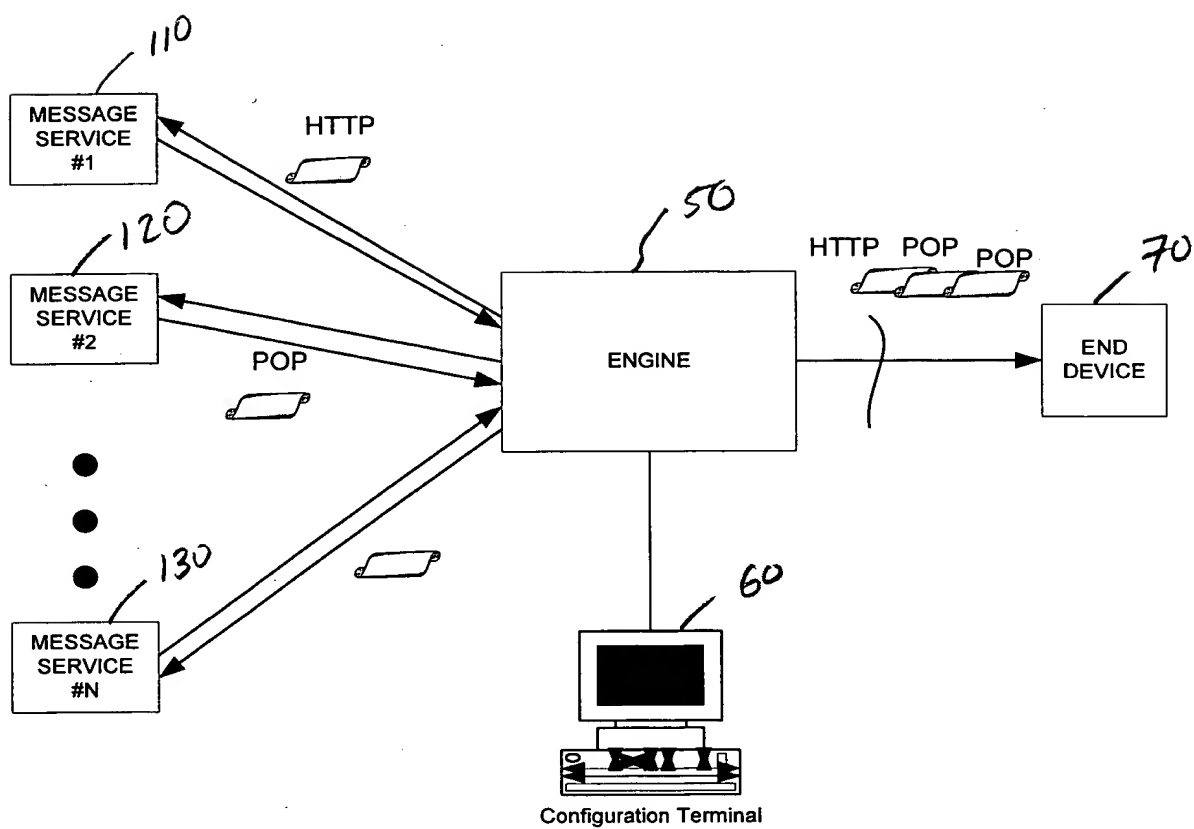


Fig. 3

USER CONFIGURES ENGINE TO
RETRIEVE MESSAGES FROM
DIFFERENT SERVICES

410

ENGINE FETCHES MESSAGE FROM
FIRST SERVICE WITHOUT
DELETING MESSAGES FROM FIRST
SERVICE

420

ENGINE FETCHES MESSAGE FROM
SECOND SERVICE WITHOUT
DELETING MESSAGES FROM
SECOND SERVICE

430

ENGINE PUSHES MESSAGES TO
END DEVICE

440

FIG. 4

ACCESS USER ACCOUNT IDENTIFY
CONFIGURATIONS FOR WEB-BASED
MESSAGING SERVICE

510

ACCESS WEB-BASED MESSAGING
SERVICE IDENTIFIED IN USER
ACCOUNT

520

OPEN PAGE SITE BY SIGNALING USER
INFORMATION TO WEB-BASED
MESSAGE SERVICE

530

PARSE OPENED PAGE FOR MESSAGE
LINKS

540

COMPARE SIGNATURE OF (NEXT)
MESSAGE LINK WITH EXISTING
SIGNATURES CORRESPONDING TO
OLD MESSAGES

550

IS THERE
ANOTHER
MESSAGE?

565

Yes

No

DONE

IS MESSAGE NEW?

555

No

IGNORE
MESSAGE

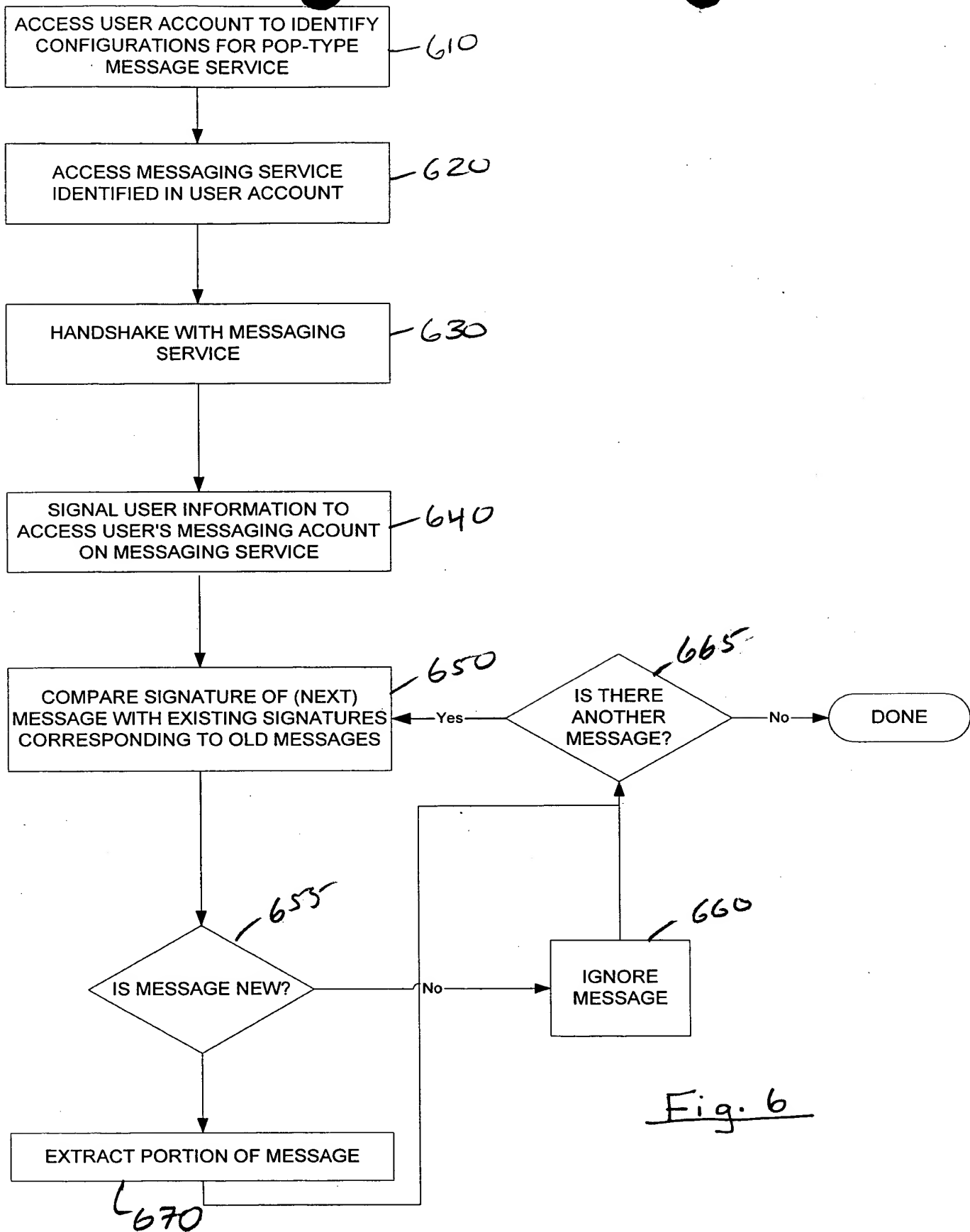
560

EXTRACT PORTION OF MESSAGE

570

FIG. 5

00520 4596 630



The diagram illustrates a system architecture for a message engine. A central box labeled "ENGINE" (50) is connected to several components:

- Message Services (110, 112, 130):** On the left, three boxes represent "MESSAGE SERVICE #1", "MESSAGE SERVICE #2", and "MESSAGE SERVICE #N".
 - Arrows point from the ENGINE to MESSAGE SERVICE #1 and #2, labeled "HTTP" and "POP" respectively, with document icons.
 - Arrows point from MESSAGE SERVICE #1 and #N to the ENGINE.
- Configuration Terminal (60):** A computer icon at the bottom is connected to the ENGINE.
- Output Devices:** On the right, a vertical line separates the ENGINE from three output devices:
 - "WAP DEVICE" (272) receives data from the ENGINE via a line labeled "HTTP POP POP" (with document icons) and "HDML".
 - "pager" (274) receives "TEXT" data from the ENGINE.
 - "computer" (276) receives "HTML/POP3" data from the ENGINE.

Fig. 7

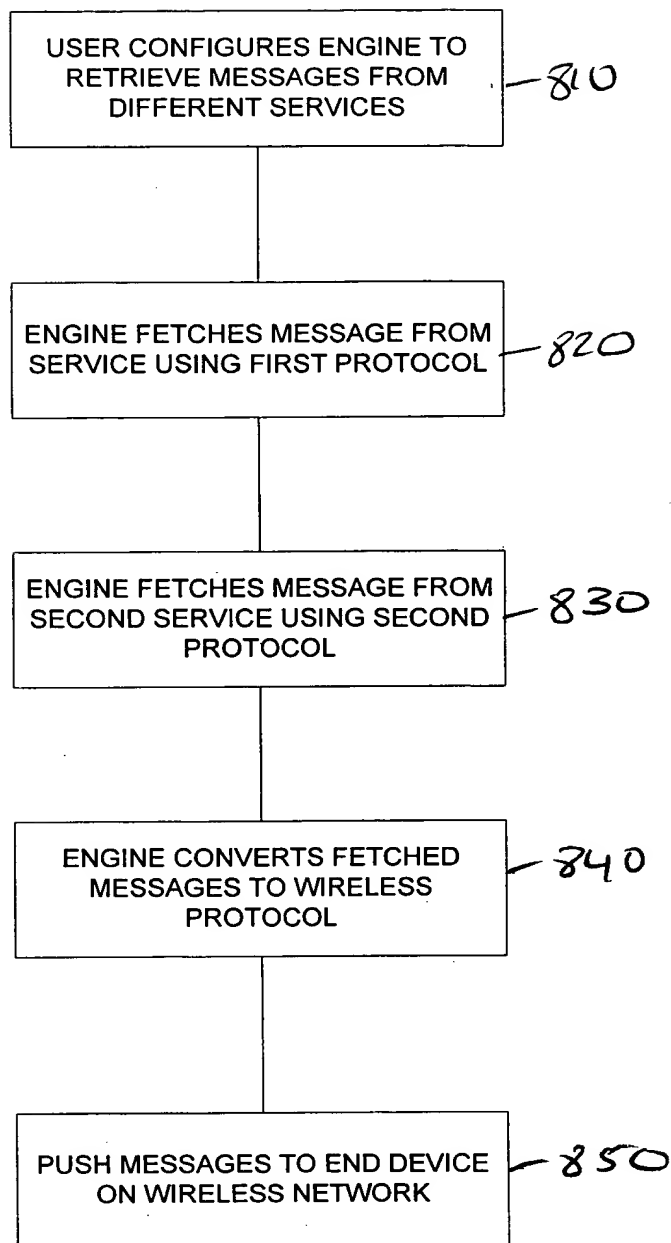


FIG. 8

RETRIEVE EMAIL FROM MESSAGING
SERVICE

910

REFORMAT EMAIL FOR END DEVICE
AND STORE HEADER INFORMATION

920

SIGNAL EMAIL TO END DEVICE

930

RECEIVE REPLY TO EMAIL

940

RECONFIGURE HEADER
INFORMATION AND ATTACH

950

REFORMAT RESPONSE FOR
PROTOCOL OF SENDER

960

TRANSMIT REPLY EMAIL TO
MESSAGING SERVICE

970

FIG. 9

00520" 454660

